

LED – Light Emitting Diode

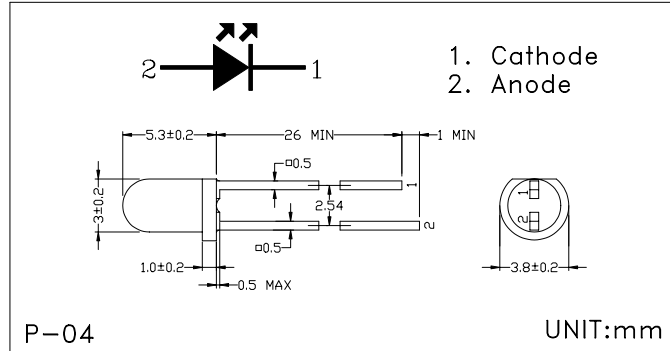
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Module No.: W03304WSC-BKW

Features:

Ø3mm
WHITE
Water Clear
Super Bright

Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Descriptions	Symbol	Value	Unit
Continuous Forward Current	I _F	30	mA
Peak Forward Current *1	I _{FM}	35	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	-25 ~ +65	°C
Storage Temperature	T _{stg}	-25 ~ +85	°C
Soldering Temperature *2	T _{sol}	260	°C

*1 Duty ratio = 1/10, Pulse width = 0.1ms.

*2 At the position of 2mm from the bottom face of resin package within 5 sec.

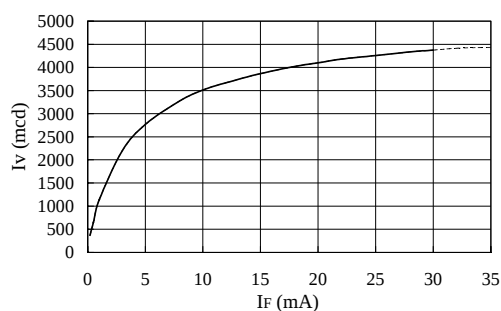
Electro-optical Characteristics

(Ta=25°C)

Descriptions	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA		3.5	4.5	V
Luminous Intensity *3	I _v	I _F =20mA	2450	4100		mcd
1st Peak Emission Wavelength	λ _{P1}	I _F =20mA		470		nm
2nd Peak Emission Wavelength	λ _{P2}	I _F =20mA		585		nm
Spectrum Radiation Bandwidth	λ	I _F =20mA	420 ~ 690			nm
Half Power Beam Angle	Δθ			±20		deg.
Terminal Capacitance	C _t			300		pF
Response Frequency	f _c			5		MHz

*3 Tolerance: ±30%

Luminous Intensity vs
Forward Current



Radiation Diagram

